#### **REMARKS**

This reissue application is being filed to provide broader protection for the projection lens systems invented by Mr. Jacob Moskovich. Independent Claim 17 and its dependent Claims 18-31 have been added to the application for this purpose.

In addition to these claims, Claim 32 has been added to specifically recite the use of a Fresnel lens in the projection lens system of original Claim 15, and Claim 1 has been amended to specify that the E1 lens element of the first lens unit of the projection lens comprises an aspherical surface for correction of distortion.

Support for the added claims and the amendment to Claim 1 is set forth in the Statement Under 37 CFR §1.173(c) attached hereto as Exhibit A

Consideration of the foregoing in connection with the initial examination of this reissue application is respectfully requested.

Respectfully submitted,

Date: \_///2//03

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#### EXHIBIT A

#### STATEMENT UNDER 37 CFR §1.173(c)

- 1. The status of the patent claims and added claims of this application is as follows:
  - (a) Patent Claims 1-16 -- pending;
  - (b) Added Claims 17-32 -- pending.
- 2. Patent Claim 1 is being amended by the foregoing Preliminary Amendment. Support for this amendment can be found in the examples of this application where the E1 element has at least one aspherical surface in all cases. In particular, the amendment is supported by Examples 1 and 3, where the only element of the first lens unit which has an aspherical surface is the E1 element.
- 3. Claims 17-32 are added by the foregoing Preliminary Amendment. Applicant's disclosure supports these claims in at least the following, non-limiting, ways:
  - (a) Independent Claim 17

Figure 6 and the discussion of that figure which appears in column 1 of the specification disclose a projection lens system which comprises a screen 16, a pixelized panel 14, and a projection lens 13 for forming a magnified image of the pixelized panel on the screen. Examples 1-3 and the discussion of those examples in the specification, including, for example, the discussion at column 5 of the specification, disclose projection lenses having a negative lens element E1 with at least one aspherical surface for correction of distortion and a second lens unit which provides most of the power of the

projection lens and consists of first and second lens subunits, with the second lens subunit having at least one aspherical surface for correction of spherical aberration. Support for the first lens unit having a maximum clear aperture that is less than 0.7 times the diagonal of the pixelized panel can be found in original Claim 14; support for the projection lens having a half field of view in the direction of the screen of at least 35° can be found in original Claim 8; and support for the projection lens having a total of five or six lens elements can be found in Examples 1-3, where Example 3 has five elements and Examples 1 and 2 have six elements.

# (b) Dependent Claim 18

Examples 1-3 each use a Fresnel lens (FL) between the pixelized panel (PP) and the projection lens.

# (c) Dependent Claim 19

The numerical limitations of this claim are set forth at column 4 of the specification.

# (d) Dependent Claim 20

The use, in order from the image side, of a negative lens element, a positive lens element, and a plastic lens element having at least one aspherical surface to form the second lens subunit of the second lens unit is discussed in the paragraph which appears at lines 19-25 of column 4 of the specification.

# (e) Dependent Claims 21 and 22

Support for the plastic lens element in the second lens subunit having a positive (Claim 21) or a negative (Claim 22) on-axis power can be found in original Claims 3 and 4, respectively.

# (f) Dependent Claim 23

Support for the negative lens element of the second lens subunit having a higher dispersion than the positive lens element of that subunit can be found in original Claim 5.

## (g) Dependent Claim 24

Support for  $|f_{E1}|/f0 < 1.5$  can be found in original Claim 6.

## (h) Dependent Claim 25

Support for  $t_{S1S2}/f0 > 0.1$  can be found in original Claim 7.

## (i) Dependent Claim 26

Support for the first lens unit having a maximum clear aperture that is greater than the maximum clear aperture of the second lens unit can be found in original Claim 9.

# (j) Dependent Claim 27

Support for the second lens unit having a rear principal point that is located ahead of the image end of the second lens subunit can be found in original Claim 10.

## (k) Dependent Claim 28

Support for the projection lens having a distortion which is less than one percent at the image can be found in original Claim 11.

#### (l) Dependent Claim 29

Support for the projection lens having a lateral color aberration at the pixelized panel which is less than a pixel can be found in original Claim 13.

# (m) Dependent Claim 30

Support for an illumination system which comprises a light source and illumination optics which forms an image of the light source where the image is the output of the illumination system can be found in original Claim 15.

## (n) Dependent Claim 31

Support for changing the distance between the projection lens and the pixelized panel and the distance between the first and second lens units of the projection lens to change magnification can be found in original Claim 16.

#### (o) Dependent Claim 32

Examples 1-3 each use a Fresnel lens (FL) between the pixelized panel (PP) and the projection lens.